

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application: **(AS ON AMENDED SHEET(S) ANNEXED TO IPRP)**

Claims 1-23. (Cancelled)

24. (new) A method for managing radio resources for providing wireless access to a communication system to a number of terminals, wherein the communication system comprises a first access network using a first access technology and at least one second access network using at least one second access technology different from the first access technology, wherein the method comprises the steps of:

receiving access relevant information from the first access network and the at least one second access network, wherein the received access relevant information comprises information extracted by sniffing messages sent within the first access network;

comparing the received access relevant information extracted from messages sent within the first access network to access relevant information received from the at least one second access network; and

determining which access network a terminal should access based on at least the comparison of the received access relevant information extracted from messages sent within the first access network to the access relevant information received from the at least one second access network.

25. (new) The method according to claim 24 wherein the first access network is a wireless local area network.

26. (new) The method according to claim 24 wherein at least part of the messages sent within the first access network are messages sent between access points.

27. (new) The method according to claim 26 wherein the at least part of the messages sent within the first access network are defined by the Inter-Access Point Protocol (IAPP).

28. (new) The method according to claim 24 wherein the extracted access relevant information comprises an identification of a terminal and an identification of an access point that the terminal has associated with.

29. (new) The method according to claim 24 wherein at least part of the access relevant information is extracted by sniffing user plane traffic for at least one terminal, which access relevant information is used to calculate traffic volume and/or throughput of the at least one terminal.

30. (new) The method according to claim 24 wherein at least part of the messages sent within the first access network are sent between access points and a router.

**MAGNUSSON et al  
U.S. National Phase of PCT/SE2003/001963**

31. (new) The method according to claim 24 wherein the at least part of the messages sent within the first access network are defined by the Light Weight Access Point Protocol (LWAPP).

32. (new) The method according to claim 24 wherein at least part of the messages sent within the first access network are sent between at least one terminal and an access point.

33. (new) The method according to claim 24 wherein at least part of the access relevant information extracted by sniffing messages sent within the first access network indicates how frequently a channel was busy, which indicates a load of the channel.

34. (new) The method according to claim 24 wherein the method further comprises the step of:

converting the received access relevant information extracted by sniffing messages sent within the first access network and/or the access relevant information received from the at least one second access network to comparable quantities prior to the step of comparing the received access relevant information extracted by sniffing messages sent within the first access network to the access relevant information received from the at least one second access network.

35. (new) A system for managing radio resources for providing wireless access to a communication system to a number of terminals, wherein the communication system comprises a first access network using a first access technology and at least one second access network using at least one second access technology different to the first access technology, wherein the system for managing radio resources comprises

at least one listening agent arranged for:

extracting access relevant information for at least the first access network by sniffing messages sent within at least the first access network;

sending the access relevant information to an access selection manager,

an access selection manager arranged for:

comparing the received access relevant information extracted from the first access network to access relevant information received from the at least one second access network;

determining which of the first access network and the at least one second access network a terminal should access based at least on the comparison of the access relevant information extracted from the first access network to the access relevant information received from the at least one second access network.

36. (new) The system according to claim 35 wherein the first access network is a wireless local area network.

**MAGNUSSON et al**  
**U.S. National Phase of PCT/SE2003/001963**

37. (new) The system according to claim 35 wherein at least part of the messages sent within the first access network are messages sent between access points.

38. (new) The system according to claim 37 wherein the at least part of the messages sent within the first access network are defined by the Inter-Access Point Protocol (IAPP).

39. (new) The system according to claim 35 wherein the extracted access relevant information comprises an identification of a terminal and an identification of an access point that the terminal has associated with.

40. (new) The system according to claim 35 wherein at least part of the access relevant information is extracted by sniffing user plane traffic for at least one terminal, which access relevant information is used to calculate traffic volume and/or throughput of the at least one terminal.

41. (new) The system according to claim 35 wherein at least part of the messages sent within the first access network are sent between access points and a router.

42. (new) The system according to claim 41 wherein the at least part of the messages sent within the first access network are defined by the Light Weight Access Point Protocol (LWAPP).

**MAGNUSSON et al**  
**U.S. National Phase of PCT/SE2003/001963**

43. (new) The system according to claim 35 wherein at least part of the messages sent within the first access network are sent between at least one terminal and an access point.

44. (new) The system according to claim 35 wherein at least part of the access relevant information extracted by sniffing messages sent within the first access network indicates how frequently a channel was busy, which indicates a load of the channel.

45. (new) The system according to claim 35 wherein the access selection manager is further arranged for:

converting the received access relevant information extracted by sniffing messages sent within the first access network and/or the access relevant information received from the at least one second access network to comparable quantities prior to comparing the received access relevant information extracted by sniffing messages sent within the first access network to the access relevant information received from the at least one second access network.

46. (new) A listening agent for use in a system for managing radio resources for providing wireless access to a communication system to a number of terminals, wherein the communication system comprises a first access network using a first access technology and at least one second access network using at least one second access

**MAGNUSSON et al  
U.S. National Phase of PCT/SE2003/001963**

technology different to the first access technology, wherein the listening agent is arranged for:

extracting access relevant information for at least the first access network by sniffing messages sent within at least the first access network; and sending the access relevant information to an access selection manager.